

**REPLACEMENT DRAWINGS**

Attached hereto are replacement drawings for figures 1-4, without any markings.

The changes to the drawings are explained below, in the "REMARKS" section. All of the drawings on the replacement sheet, as originally filed, are provided herein. The header of each revised drawing sheet includes the following information: (i) "Replacement Sheet", (ii) Title of Invention, (iii) Inventor Name, and (iv) Application Serial Number. Consideration of these replacement sheets is respectfully requested, and the Examiner is requested to provide an indication of such consideration in the next Office Action.

## **REMARKS**

The Office Action of July 26, 2005 has been received and its contents carefully analyzed. Claims 1-11 are currently pending, of which all stand rejected. The specification and claims 1, 5, 7, and 11 are amended. These amendments do not add new matter. Accordingly, entry of the present Amendment is therefore respectfully requested.

### ***Objection to Drawings***

In the Office Action, Figures 1-4 were objected to as not containing the legend "Prior Art". Figures 1-4 are amended to include the legend "Prior Art" and replacements sheets for Figures 1-4 are enclosed herewith. In view of these amendments, withdrawal of all pending drawing objections is respectfully requested.

### ***Objection to Specification***

Various portions of the specification were objected to, and the specification is amended to obviate each objection. (See, page 2 of the Office Action). No new matter is added. Accordingly, Applicants respectfully request withdrawal of the objection to the specification.

### ***Objection to Claims***

In the Office Action, Claim 7 stands objected as missing a comma after the word "second". Claim 7 is amended to supply the missing comma and obviate this objection. Accordingly, Applicants respectfully request withdrawal of the objection of claim 7.

**35 U.S.C. § 102 Rejection**

Claims 1-11 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U. S. Patent No. 6,617,802 to Roh ("Roh"). This rejection is respectfully traversed.

A claim may be properly rejected under 35 U.S.C. § 102(e) only if a single prior art reference discloses each and every feature of the invention as recited in the claim. If the rejected claim recites even one feature that is not disclosed by the prior art reference, the 35 U.S.C. § 102(e) rejection is improper and must be withdrawn. In this case, withdrawal of the rejection of claims 1-11 is requested because Roh fails to disclose at least one feature recited in each of independent base claims 1, 5, and 11 as amended.

Amended claim 1 recites, among other things:

a main path switch coupled between the contact point of the first and second switches and second end of the rising ramp switch, for forming a constant current and for generating a falling ramp waveform which is a portion of a reset waveform.

Amended claim 11 recites a limitation similar to those in claim 1. Additionally, amended claim 5 recites, among other things:

turning on a main path switch for supplying the constant current to the scan electrode to make the potential of the scan electrode gradually fall, the main path switch being coupled between the second voltage and the scan electrode, wherein the main path switch includes a falling ramp switch integrated therein.

These features are not disclosed or suggested by the cited reference. For example, Figure 5 of Roh discloses a main path switch  $Y_p$  that is separate from a falling ramp switch  $Y_{fr}$ . This main path switch  $Y_p$  separates individual circuits and merely turns on or off to route current from one circuit to the other. It does not include "a falling ramp switch integrated therein" as recited by claim 5. Consequently, it cannot function "for generating a falling ramp waveform which is a portion of a reset waveform," as recited by claims 1 and 11. Applicant's Figure 5 clearly discloses that the claimed "main path switch" is a single switch having a  $Y_p$  component

linked to a Yfr component. (See, specification, page 10, lines 17-23). This contrasts with the conventional PDP driving circuit shown in Figure 5 of Roh and discussed in the Description of the Related Art in this application:

However, the PDP driving circuit separately uses a main path switch [Yp] for preventing a high voltage for supplying a reset waveform from being supplied to a circuit for supplying sustain waveforms, and a falling ramp switch [Yfr] for supplying falling ramp waveforms to scan electrodes. The above-noted driving circuit with separate switches is not efficient when considering that the switches are expensive. (See, specification, page 5, lines 10-15).

Thus, nothing in Roh discloses or suggests a "main path switch" that is configured or that performs the functions recited in independent base claims 1, 5, and 11. Consequently, claims 1, 5, 11, and claims 2-4 and 6-10, which depend therefrom, are allowable over Roh. Accordingly, Applicant respectfully requests that the rejection over claims 1-11 be withdrawn and claims 1-11 passed to allowance and issue.

## CONCLUSIONS

Applicant submits that a full and complete response has been made to the pending Office Action and respectfully submits that all of the stated objections and/or grounds for rejection have been overcome or rendered moot. Accordingly, Applicant respectfully submits that all pending claims are patentably distinct from the prior art of record and are in condition for allowance. The Examiner is thus respectfully requested to pass the above application to issue.

Should the Examiner feel that there are any issues outstanding after consideration of this Amendment, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution. Prompt and favorable consideration of this Amendment is respectfully requested. Applicant respectfully requests that a timely Notice of Allowance be issued for this application.

Respectfully submitted,



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